

CheckMate™ IV Model RT-U49C Universal Remote Control



Programming And Operating Instructions

To have a clearer idea of the features and capabilities of your remote control, take a moment to read these instructions. Save for future reference.

Rev. 7/2001
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1. Introduction

Your CheckMate™ IV (Model RT-U49C) universal remote control is simple to program, easy to use, and can operate up to four (4) devices, which include:

- CABLE TV** Cable set-top terminals
- VIDEO** Televisions
- AUDIO** VCR, DVD
- Cassette deck, CD, receivers, amplifiers, 2nd TV, 2nd VCR.

Before you can use your remote control, it must be programmed (set-up) to operate the above devices.

2. Before Getting Started

Some of the special features and buttons on your remote control are as follows:

Point and Press™ Programming

Let's you program your TV, VCR Audio devices without codes. For more information, see sections 5, 6 and 7.

[ALL]

Turns all of your devices on / off with one button press. [ALL] can even be programmed to automatically tune your TV to its correct output channel. For more information, see section 8.

[Movies], [Sports], [News]

Program your favorite channels on the "Movies", "Sports" and "News" buttons. For more information see section 9.

[VCR / VOD] Toggle

"Toggles" the VCR buttons between cable Video-On-Demand (VOD) and VCR / DVD functions. For more information, see section 10.

SmartKeys™

Program multiple button presses on the [CBL], [TV] and [BYPASS] buttons. For more information, see section 15.

[DEVICE]

Tells which device you are currently operating by illuminating the device's power button. While the current device is illuminated, press a nonilluminated power button to operate a different device.

Memory Guard™

Eliminates reprogramming after battery changes.

Time Out

Shuts remote off if any button is pressed and held for 45 seconds. This extends battery life in the event the remote becomes lodged under or between heavy objects.

Reset

Lets you reset your remote to its original default settings. For more information, see section 17.

3. Installing / Replacing Batteries

Install two (2) new "AA" batteries as indicated by the diagram in the battery compartment.

When the illuminated buttons become dim or do not illuminate during use, install two (2) new "AA" size batteries.

Your remote control has Memory Guard™, which eliminates reprogramming after battery changes.

4. Programming Your Cable Set-Top Terminal

Model RT-U49C is pre-programmed to operate the **Scientific-Atlanta Explorer**®, **Pioneer Voyager**® and **Pace 510 digital** set-top terminals.

To operate a different cable set-top terminal, look up the brand and model in the Cable Setup Code list. If you are not sure of your brand and model, contact your cable company.

To program your cable set-top terminal...

1. Turn on your cable set-top terminal.
2. Press [CBL], then [SELECT] together - hold both buttons down until [CBL] illuminates.
3. From the Cable Setup Code list, locate and enter the 3-digit code for your brand and model.
4. Press [CBL] to lock in the code. The [CBL] button will blink and go out.

Write your cable set-top terminal brand & setup code _____.

Refer to section 16 for code number readback.

Cable Setup Codes

Motorola (General Instrument)	
DCT, CFT 2200	001
CFT2100, CFT2000	002
Jerrold	003
DL4, DP(V), DQN(V), DPBB	
Scientific Atlanta	
Explorer	004
Explorer(#, *)	015
Explorer(Blue Ridge)	016
Explorer(WorldGate™)	018
8600X	005
8600	006
8540, 70, 90	007

Pace	
510 digital	004
Philips digital	017
Pioneer Voyager	004
BC-4600, BA-6000	008
BA-9000	009
BA-V1000, BA-V2000	010
Tocom	
5503VIP, 5507, 5508	011
Zenith	
Z-Tac	012
MM2500	013
Oak	
Sigma One, P1, P2, P3	014
Sigma 2000	

5. Programming Your TV

If you have a TV that's operated by remote control, it is recommended that you plug it directly into a wall outlet instead of the cable set-top terminal.

To program your TV...

1. Turn on your TV.
2. Press [TV], then [SELECT] together - hold both buttons down until [TV] illuminates.
3. a. Press and hold [CH+] until your TV turns off. As soon as your TV turns off, release [CH+].
OR
b. From the TV Setup Code list, locate and enter a 3-digit code for your brand. If multiple codes are listed, you may have to enter several codes until your TV turns off.
4. Press [MUTE]. If your TV turns back on, press [TV] to lock in the code. The [TV] button will blink and go out.

If your TV does not turn back on, repeat steps 3 and 4 until you can turn your TV off and on.

Write your TV brand & setup code _____.

Refer to section 16 for code number readback.

ⓈNote When using the Point and Press™ Programming method (step 3a). If you find a code that turns your TV off but not back on (step 4), you may have gone past the correct matching code. Try pressing [CH-] one press at a time until you find a code that turns your TV back on.

To program your TV / VCR combination unit...

1. First, program your remote as a TV
- Following the steps in this section, find a TV Setup Code that operates the TV functions of your TV / VCR (power, vol +/-, mute, ch +/-, 0-9).

2. Then, program your remote as a VCR

Following the steps in Section 6 for code number programming, enter, lock and test each 3-digit VCR Setup Code until a code is found that operates the VCR functions of your TV / VCR (play, stop, fast-forward, rewind, pause, record).

Note: You can not use the Point and Press™ Programming method to program the VCR functions of the TV / VCR.

TV Setup Codes

Admiral	058 061 062 067
Adventura	004
Akai	065
Aiwa	135
Amark	007 086
Ampro	112
Amstrad	006
Anam	088 089 093 111 120 125 134
AOC	065
Audio Vox	111
Belcor	041
Bell & Howell	062
Broksonic	011 054
Brokwood	041
Candle	027 052
Centurion	044 051
Citizen	027 052 059 062
Concerto	041 051
Contec	020
Coronado	007
Craig	134
Crown	007
Curtis Mathes	044 061 062
Daewoo	027 039 040 041 042 051 090 091 092 094 101 102 108 114 118 121 123 130
Daytron	041 044 051
Dumont	041
Electro Home	041 051
Elektra	002
Emerson	007 008 011 012 017 054 065 079 108 110 131
Envision	041 051
Fisher	010 028
Funai	004

GE	005 019 027 031 037 041 046 051 053 055 061 070 131
Gibraltar	007 025 027 031 041 044 051 059 060 065
Goldstar(LG)	007 027 031 041 044 059 060 065 124
Grundig	059
Hall Mark	041 051
Hitachi	007 027 049 051 083 085 098 100 075
Inkel	075
JC Penney	005 010 027 037 041 051 065 069 070
JVC	048 077 080 132
Kawasho	041 051
KMC	007
KTV	007 030 059 065
Kurazai	062
Lodgenet	062
Logik	062
Luxman	027 041 051
LXI	006 035 067
Magnavox(Philips)	001 005 007 014 026 027 041 052 068 081
Majestic	062
Marantz	003 065 076
Megatron	086
Memorex	010 031 062
MGA/Mitsubishi	003 027 031 041 044 051 065 076 084
Montgomery Ward	007 037 044 057 058 062 065 067 081
NEC	023 027 031 044 101
Orion	013 017 033 045 047 078
Panasonic	018 019 021 024 053 063
Philco	001 007 027 052 065 081
Philips(Magnavox)	001 005 007 014 026 027 041 052 068 081
Pilot	041 059 097
Pioneer	056 103
Portland	007 027
ProScan	055 061 073 082 112
Proton	031 126 128
Pulsar	041
Quasar	019
Radio Shack	041
Realistic	012 057 079
RCA	022 027 046 053 055 061 065 072 073 082
Sampo	031 044
Samsung	007 016 020 031 044 119 129
Sanyo	002 010 028 104 133
Scott	031 044 079

Sears	002 007 010 016 027 028 043 069
Sharp	007 009 023 035 057 064 067 096
Signature 2000	007 044 058 062 067
Sony	032 038 050 066
Soundesign	052
Squareview	006
Supre-Macy	071
Sylvania	001 005 006 026 027 031 044 052 081 108
Symphonic	004 006
Tatung	019
Techwood	027
Teknika	001 007 027 052 062 079
Telerent	007 062
TMK	027 031
Tera	127
Toshiba	016 029 043 069
Totevision	059
Universal	027 070
Vidtech	027
Wards	027 031
White Westinghouse	058
XR-1000	062
Yamaha	027
York	031 044
Zenith	004 015 025 034 036

6. Programming Your Video (VCR / DVD) Device

To program your VCR or DVD...

- Turn on your VCR or DVD.
- Press [VIDEO], then [SELECT] together - hold both buttons down until [VIDEO] illuminates.
- a. Press and hold [CH+] until your VCR or DVD turns off. As soon as your VCR or DVD turns off, release [CH+].
OR
b. From the VCR - DVD Setup Code list, locate and enter a 3-digit code for your brand. If multiple codes are listed, you may have to enter several codes until your VCR or DVD turns off.
- Press [MUTE]. If your VCR or DVD turns back on, press [VIDEO] to lock in the code. The [VIDEO] button will blink and go out.

If your VCR or DVD does not turn back on, repeat steps 3 and 4 until you can turn your VCR or DVD off and on.

Write your VCR / DVD brand & setup code _____.

Refer to section 16 for code number readback.

Note When using the Point and Press™ Programming method (step 3a). If you find a code that turns your VCR/DVD off but not back on (step 4), you may have gone past the correct matching code. Try pressing [CH-] one press at a time until you find a code that turns your VCR / DVD back on.

VCR Setup Codes

Admiral	014 056
Adventura	025
Aiwa	025 106
Akai	011 021 051 092 098 103
Audio Dynamics	007 044
Bell & Howell	005 024
Broksonic	009 048 053 064
Canon	008 034 105
Citizen	002 006 028 060
Colortyme	044
Craig	028 030
Curtis Mathes	008 013 034 044 060
Daewoo	006 010 012 057 058 112 114 116
Daytron	055 058
DBX	007 044
Dynatech	025 106
Emerson	002 003 006 008 009 022 033 040 049 051 064 091 101 106 107 109
Fisher	005 015 024 030 052
Funai	025 106
GE	008 027 028 034 041
Go Video	019 043 063
Goldstar(LG)	002 060
Harman/Kardon	044
Hitachi	025 046 059 106 113
Instant Replay	008 017 034
JC Penney	005 008 017 028 034 044 046
JVC	004 005 007 038 026 060 095 102
JCL	008
Kenwood	004 005 007 060 106
Logik	042
Lloyd	025 106
LXI	002 025 106
Magnavox	008 025 034 036 106
Marantz	005 008 036 044 060
Marta	002
Matsui	094
Memorex	002 005 025 030 034 104 106 110
Mitsubishi	023 029 031 047 106
MTC	025 028 106
Montgomery Ward	014 025 027 034 037 062
Multi Tech	025 028 042 106
NEC	004 005 007 044 070 071
Orion	022 049 065 066 067 068
Panasonic	008 013 034 099
Pentax	046
Philco	008 034 036 106
Philips	008 017 034 036 106
Pioneer	004 045 046

Portland	058
ProScan	027 041
Quasar	013 034
Quartz	005 009
RCA	001 008 016 017 027 028 037 041 046 106
Realistic	005 014 025 030 034 106
Samsung	021 028 039 098 108 111
Sansai	042
Sansui	004 093
Sanyo	005 024 114
Sayyo	030
Scott	003 006 031 042
Sears	002 005 015 030 046
Sharp	014 056
Shintom	042
Signature 2000	014 025 027 037 062
Sony	032 035 050
Soundesign	106
Sylvania	008 016 017 025 034 036 047 054 065 073 074 106

Symphonic	025 106
Tandy	005 025 106
Tashiko	002
Tatung	007
Teac	007 025 106
Technics	008
Teknika	002 053 106
Thomas	106
TMK	091
Toshiba	006 015 046 052 096
Totevision	002 028
Unitech	028
Vector Research	031 044
Video Concepts	044 106
Wards	002 014 025 028 060 106
XR-1000	042
Yamaha	005 007 044 106
Zenith	004 018 035 038 061 106

DVD Setup Codes

Denon	076
GE	077 078
Hitachi	117
JVC	079
KLH	118
LG	079
Magnavox	081 082
Mitsubishi	083
Panasonic	084
Pioneer	085
Samsung	086
Sharp	119
Sony	087
Thomson	120
Toshiba	088
Yamaha	089
Zenith	089

7. Programming Your Audio Device

To program your laser disc, compact disc, receiver / amplifier or cassette tape...

- Turn on your Audio device - cassette deck, CD, receiver, amplifier.
- Press [AUDIO], then [SELECT] together - hold both buttons down until [AUDIO] illuminates.
- a. Press and hold [CH+] until your Audio device turns off. As soon as your Audio device turns off, release [CH+].
OR
b. From the Audio Setup Code list, locate and enter a 3-digit code for your brand. If multiple codes are listed, you may have to enter several codes until your Audio device turns off.
- Press [MUTE]. If your Audio device turns back on, press [AUDIO] to lock in the code. The [AUDIO] button will blink and go out.
If your Audio device does not turn back on, repeat steps 3 and 4 until you can turn your Audio device off and on.

Write your Audio brand & setup code _____.

To program your 2nd TV, 2nd VCR, or 2nd DVD...

- Turn on your 2nd TV, 2nd VCR, or 2nd DVD.
- Press [AUDIO], then [SELECT] together - hold both buttons down until [AUDIO] illuminates.
- Press [TV] to program a 2nd TV (or [VIDEO] for 2nd VCR). The [AUDIO] and [TV] buttons will blink.
- a. Press and hold [CH+] until your 2nd TV turns off. As soon as your 2nd TV turns off, release [CH+].
OR
b. From the TV Setup Code list, locate and enter a 3-digit code for your brand. If multiple codes are listed, you may have to enter several codes until your 2nd TV turns off.
- Press [MUTE]. If your 2nd turns back on, press [AUDIO] to lock in the code. The [AUDIO] button will blink and go out.
If your 2nd TV does not turn back on, repeat steps 3 and 4 until you can turn your 2nd TV off and on.

Write your 2nd TV brand & setup code _____.

Refer to section 16 for code number readback.

Note when using the Point and Press™ Programming method (step 4a). If you find a code that turns your Audio device off but not back on (step 4), you may have gone past the correct matching code. Try pressing [CH-] one press at a time until you find a code that turns your Audio device back on.

Audio Setup Codes

1. Laser Disc

Pioneer	013 014
Proscan	029
RCA	029
Sanyo	006
Sony	025
Zenith	006

2. Compact Disc

ADC	085
Akai	017 031
Aiwa	086
Carver	086
Crown	033
Denon	036
Fisher	001 003
Goldstar(LG)	016
Harman/Kardon	041
JVC	063
Kenwood	001 015 028 065 086
Krol	086
Magnavox	002 007 019 038
Mission	086
Mitsubishi	017 070
NAD	024 046 072
Nakamichi	075 077
NEC	018
NSM	086
Onkyo	076
Panasonic	009 035
Philips	007 019 038
Pioneer	009 047 097
Quasar	035
Radio Shack	009 023 028 049 062
RCA	019 038 057
Sanyo	003 032
SAE	086
Scott	023
Sharp	021 028
Sony	050 061 071
Soundesign	004 005 027 060
STS	085
Sylvania	007
Teac	023
Technics	035 042 103
Toshiba	024
Yamaha	074

3. Receiver / Amplifier

Adcom	139
Aiwa	163 165
Akai	158
Bose	136 163
Carver	073 167
Citation	162
Denon	034 068 102
Everquest	107
Fisher	073
Fosgate Audionics	169
Goldstar(LG)	088
Harman/Kardon	043 169 170 172

Hitachi	106
Jensen	126
JVC	053 145
Kenwood	045
luxman	110
Marantz	080 114 124 131
NAD	108 120
Onkyo	052 105 118 147
Optimus	040 115 158
Panasonic	104 109
Parasound	155
Phillips	089
Pioneer	058 090 081 135
Quasar	104
Radio Shack	012 040
Realistic	079 137 138
Rotel	140
Sansui	114
Sanyo	044
Scientific Atlanta	116
Scott	055
Sharp	082
Sherwood	012 040
Sony	008 020 059 091
Soundesign	048 092 093 094
SSI	134
Taekwang	158
Teac	054 064
Technics	095 104
Victor	053 145
Yamaha	030 133 171
Zenith	048 088 092 093 094



4. Cassette Tape



Aiwa	153
Akai	157
Audio Access	161
B&K	141 142
Denon	039
Dynamic Bass	087
Fisher	129
Fosgate Audionics	168
Haitai	164
Harman/Kardon	051 168
Inkel	164
JCPenny	143
JVC	056 098
Kenwood	042 129 160 164
Kloss	143
Lexicon	154
Luxman	111 159
Marantz	125 130
NAD	121
Nakamichi	150
Onkyo	066 119 146
Optimus	122 123 157
Philips DCC	026
Pioneer	010 032 099 113 117
Sansui	149 152 166
Sherwood	112
Sony	022 096
Taekwang	157
Teac	127 150
Technics	037 144 148
Technics DCC	026
Toshiba	151
Wards	129
Yamaha	067 100 101 132

8. Programming the [ALL] Button

Once you have programmed each of your devices, press [ALL] to turn all of them on / off with a single button press.

If you would like the [ALL] button to also tune your TV to its correct output channel (typically 3) follow these steps:

1. Press [DEVICE], then [CBL] to select the remote's cable mode.
2. Press [SETTINGS], then [ALL] together - hold both buttons down until the [TV] illuminates.
3. Press [0], then [3]  .
4. Press [CH+] to store the TV channel. The [TV] button will blink and go out.


-  Your TV output channel may also be 2 or 4. If you are not sure, contact your cable operator.
-  Depending on your TV brand, the channel may have to be entered as "3", "03" or "003".

Note : When pressing the [ALL] button, be sure to keep the remote control aimed at the devices to ensure all functions are received in their entirety.


9. Programming [MOVIES], [SPORTS], [NEWS]

Each of these buttons can be programmed to store a favorite cable channel.

For example, to program the [MOVIES] button to cable channel 53, follow these steps:

1. Press [DEVICE], then [CBL] to select the remote's cable mode.
2. Press [CBL], then [MOVIES] together - hold both down until [CBL] illuminates.
3. Press [0], [5], [3]. (enter ch. # in 3-digit format) .
4. Press [MOVIES] to store this channel. The [CBL] button will blink and go out.

Programming the [SPORTS] or [NEWS] buttons is the same general procedure as above.

-  May also be 4-digit (or 5-digit) format. The exact # of digits you need to enter depends on how your cable operator has setup your cable set-top terminal.

10. Operating Your Cable Set-Top Terminal

Your remote control is designed to operate all the features and functions of your digital cable set-top terminal.

To operate your cable set-top terminal, press [DEVICE], then [CBL]. In your remote's **cable mode**, you can then press...

[ALL]	ALL devices on / off.
[CBL]	Cable set-top terminal on / off.
[TV]	TV on / off.
[VIDEO]	VCR / DVD on / off.
[AUDIO]	Audio on / off.
[CH+] / [CH-]	Increases / decreases cable channel.
[VOL+] / [VOL-]	Increases / decreases cable volume.
[MUTE]	Mute cable volume.
[EXIT]	Exits on-screen menus, view guide, interactive screens.
[SETTINGS]	Displays program settings.
[GUIDE]	Displays interactive program guide.
[INFO]	Displays channel, time information.
[FAV]	View favorite channels.
[LAST]	Last channel viewed.
[A], [B], [C]	On-screen decision buttons.
[0] - [9]	Numeric entry buttons.
[PAGE+/-]	Page up / down through menus, program guide.
[◀], [▼], [▶], [▲]	Navigate on-screen menus, program guide, PPV events and interactive services.

[SELECT]	Select menu, interactive screen item.
[BYPASS]	Switch between cable set-top terminal and TV.

[TV / VCR]	Changes VCR video inputs.
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[VCR / VOD]	"Toggles" the VCR buttons between cable Video-On-Demand (VOD) and VCR / DVD functions.
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Press [VCR / VOD]. If...

- a. [CBL] illuminates, the VCR buttons are operating your cable Video-On-Demand (VOD) functions.
- OR
- b. [VIDEO] illuminates, the VCR buttons are operating your VCR or DVD functions.

While [CBL] or [VIDEO] is illuminated, press [VCR / VOD] to switch from Video-On-Demand to VCR or VCR to Video-On-Demand.

VCR / DVD or VOD rewind.
VCR / DVD or VOD play.
VCR / DVD or VOD fast-forward.
VCR / DVD or VOD pause.
VCR / DVD or VOD stop.
VCR / DVD or VOD record.
Programmable favorite channel.
Programmable favorite channel.
Programmable favorite channel.

11. Operating Your TV

Your remote control can operate many functions of your TV.

To operate your TV, press [DEVICE], then [TV]. In your remote's **TV mode**, you can then press...

[ALL]	ALL devices on / off.
[CBL]	Cable set-top terminal on / off.
[TV]	TV on / off.
[VIDEO]	VCR / DVD on / off.
[AUDIO]	Audio on / off.
[CH+] / [CH-]	Increases / decreases TV channel.
[0] - [9]	Numeric entry buttons.
[VOL+] / [VOL-]	Increases / decreases TV volume.
[MUTE]	Mute TV volume.
[TV / VCR]	Change TV's video inputs.
◀	VCR / DVD rewind.
▶	VCR / DVD play.
▶▶	VCR / DVD fast-forward.
=	VCR / DVD pause.
■	VCR / DVD stop.
●	VCR / DVD record.

12. Operating Your Video (VCR or DVD) Device

Your remote control can operate many functions of your VCR or DVD.

To operate your VCR or DVD, press [DEVICE] then [VIDEO]. In your remote's **Video**, you can then press...

[ALL]	ALL devices on / off.
[CBL]	Cable set-top terminal on / off.
[TV]	TV on / off.
[VIDEO]	VCR / DVD on / off.
[AUDIO]	Audio on / off.
[CH+] / [CH-]	Increases / decreases VCR channel.
[0] - [9]	Enter VCR channels.
[VOL+] / [VOL-]	Increases / decreases TV volume.
[MUTE]	Mute TV volume.
[TV / VCR]	Change VCR video inputs.
◀	VCR / DVD rewind.
▶	VCR / DVD play.
▶▶	VCR / DVD fast-forward.
=	VCR / DVD pause.
■	VCR / DVD stop.
●	VCR / DVD record.

13. Operating Your Audio Device

Your remote control can be setup to operate a tape deck, CD, receiver, amplifier, 2nd TV, 2nd VCR as an Audio device.

To operate your Audio device, press [DEVICE], then [AUDIO]. In your remote's **Audio mode**, you can press...

[ALL]	ALL devices on / off.
[CBL]	Cable set-top terminal on / off.
[TV]	TV on / off.
[VIDEO]	VCR / DVD on / off.
[AUDIO]	Audio on / off.
[CH+] / [CH-]	Increases / decreases channel.
[0] - [9]	Enter channels.
[VOL+] / [VOL-]	Increases / decreases volume.
[MUTE]	Mute volume.
[TV / VCR]	Change VCR / DVD video inputs.
◀	Rewind.
▶	Play.
▶▶	Fast-forward.
=	Pause.
■	Stop.
●	Record.

14. Programming Volume Control

When you first program your remote, volume / mute are controlled through your TV (except AUDIO which defaults to the AUDIO device).

The volume control options in each mode of the remote are:

CBL	TV (default), Cable or Audio.
TV	TV (default), Cable or Audio.
VIDEO	TV (default), Cable or Audio.
AUDIO	Audio device (default), Cable or TV.

To control volume / mute through your cable set-top terminal in the remote's **cable mode**...

1. Press [CBL], then [SELECT] together - hold both buttons down until [CBL] illuminates.
2. Press [VOL+], then [CBL] for cable volume. The [CBL] button will blink and go out.

To return volume control to your TV, repeat step 1, then press [VOL+], then [TV] in step 2.

To control volume / mute through your cable set-top terminal in the remote's **Video mode**...

1. Press [VIDEO], then [SELECT] together - hold both buttons down until [VIDEO] illuminates.
2. Press [VOL+], then [CBL] for Cable volume. The [VIDEO] button will blink and go out.

To return volume control to your TV, repeat step 1, then press [VOL+], then [TV] in step 2.

15. Your Remote's SmartKeys™



Your remote has three SmartKeys™ ([CBL], [TV], [BYPASS]) that operate in its **cable mode**.

Each Smartkey™ can be programmed so whenever it's pressed, it can transmit up to 12 individual button presses in sequence.

Programming and using the [CBL] SmartKey™

The [CBL] button normally turns on / off your cable set-top terminal.

You can program the [CBL] Smartkey™ to turn on your cable set-top terminal and TV, and tune your TV to its correct output channel (typically 3) with one button press.



1. Press [DEVICE], then [CBL] to select the remote's cable mode.
2. Press [CBL], then [SETTINGS] together - hold both buttons down until [CBL] illuminates.
3. In this order, press [CBL], [TV], [0], [3]  . The [CBL] button will blink and remain illuminated.
4. Press [CH+] to lock in this setting. The [CBL] button will blink and go out.

To return the [CBL] button to its normal function, repeat steps 1 & 2, then press [CH-].

Programming and using the [TV] SmartKey™

The [TV] button normally turns on / off your TV.

You can program the [TV] SmartKey™ to turn on your TV and tune your TV to its correct output channel (typically 3) with one button press.



1. Press [DEVICE], then [CBL] to select the remote's cable mode.
2. Press [TV], then [SETTINGS] together - hold both buttons down until [TV] illuminates.
3. In this order, press [TV], [0], [3]  . The [TV] button will blink and remain illuminated.
4. Press [CH+] to lock in this setting. The [TV] button will blink and go out.

To return the [TV] button to its normal function, repeat steps 1 and 2 above, then press [CH-].



Programming and using the [BYPASS] SmartKey™

The [BYPASS] button (cable mode) normally places your Cable set-top terminal in a BYPASS mode. While the cable set-top terminal is in its BYPASS mode, you can record one program on your VCR and watch a different program through your TV. When exiting the cable set-top terminal's BYPASS mode, your TV must be re-tuned to its correct output channel (typically 3) for proper cable reception.

You can program the [BYPASS] SmartKey™ so automatically tune your TV to its correct output channel.

1. Press [DEVICE], then [CBL] to select the remote's cable mode.
2. Press [BYPASS], then [SETTINGS] together - hold both buttons down until [CBL] illuminates.
3. In this order, press [BYPASS], [DEVICE], [TV], [0], [3]  . The [CBL] button will blink and remain illuminated.
4. Press [CH+] to store the setting. The [CBL] button will blink and go out.

To return the [BYPASS] button to its normal function, repeat steps 1 and 2 above, then press [CH-].

-  Your TV output channel may also be 2 or 4. If you are not sure, contact your cable operator.
-  Depending on your TV brand, the channel may have to be entered as "3", "03" or "003"

Note : When using any SmartKey™ to transmit a series of functions, be sure to keep your remote aimed at the devices to ensure all functions are received in their entirety.

16. Code Number Readback

To identify a 3-digit setup code stored under the Point and Press™ method, follow these steps:

To identify the TV setup code...

1. Press [TV], then [SELECT] together - hold both buttons down until [TV] illuminates.
2. Press [INFO]. The [TV] button will "blink back" the code numbers, with a 1-second interval between each digit of the code.

Example : For code "035", the remote will blink 10 times, then 3 times, then 5 times.

To identify the 3-digit Video code, press [VIDEO], then [SELECT] in step 1, then press [INFO].

To identify the 3-digit Audio code, press [AUDIO], then [SELECT] in step 1, then press [INFO].

17. Resetting Your Remote control

To reset your remote control to its factory default settings...

1. Press [CBL], then [SELECT] together-hold both down until the [CBL] illuminates.
2. Press [SETTINGS], then [SETTINGS] again. The [CBL] button will blink and go out.

18. Helpful Tips and Troubleshooting

1. Your remote is equipped with a Point and Press™ Programming label on the back of its case. This will help you quickly program the remote without using codes.
2. An illuminated mode (power) button will remain on while the remote is in a programming mode. In the absence of an entry, the illuminated button will go out after 45 seconds.

When locking in your devices, the illuminated button will blink and go out,

3. When using the Point and Press™ programming method, you may find a code that turns your device off but not back on. If this happens...

a. the correct code has not been found. Continue pressing [CH+] until your devices turn on and off.

OR

b. you may have gone past the correct matching code. Try pressing [CH-] one press at a time until you find a code that turns your devices turn back on.

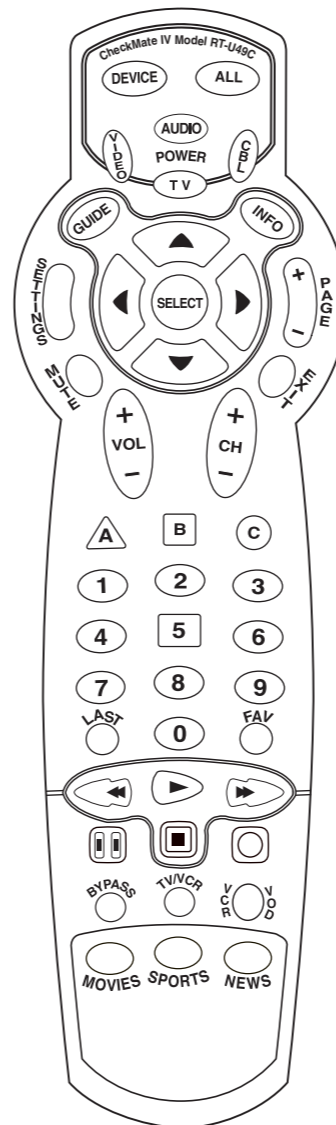
4. If the same button is pressed and held for 45 seconds, your remote control will turn itself off. This extends the battery life by should the remote become lodged under or between heavy objects.

5. For diagnostic functions on Motorola (GI) DCT and CFT2200 cable set-top terminal, press [SELECT] + [INFO] together.

6. If you have any questions concerning the operation of your cable set-top terminal, contact your cable operator.

Cable Function Table

Mfg	Scientific Atlanta						
Model	Explorer	8600x	8600	8540,70,90	Explorer (#, *)	Explorer (Blue Ridge)	Explorer (WorldGate™)
Setup Code	004	005	006	007	015	016	018
Device	CBL	CBL	CBL	CBL	CBL	CBL	CBL
ALL	All on	All on	All on	All on	All on	All on	All on
CABLE	CBL on / off	CBL on / off	CBL on / off	CBL on / off	CBL on / off	CBL on / off	CBL on / off
TV	TV on / off	TV on / off	TV on / off	TV on / off	TV on / off	TV on / off	TV on / off
VIDEO	Video on / off	Video on / off	Video on / off	Video on / off	Video on / off	Video on / off	Video on / off
AUDIO	Audio on / off	Audio on / off	Audio on / off	Audio on / off	Audio on / off	Audio on / off	Audio on / off
GUIDE	Guide	View Guide			Guide	Guide	Guide
INFO	Info	Info	Display		Info	Info	Info
SETTINGS	Settings	Menu	Menu		Settings	Settings	Settings
^	^	^			^	^	^
v	v	v			v	v	v
SELECT	Select	Sel	Sel	Sel	Select	Sel	Sel
<	<	<			<	<	<
>	>	>			>	>	>
PAGE ^	Page +	Day >		AU	Page +	Day >	Day >
PAGE v	Page -	< Day	Sleep	Prg	Page -	< Day	< Day
MUTE	Mute	Mute	Mute	Mute	Mute	Mute	Mute
EXIT	Exit				Exit	Exit	Exit
VOL +	Vol +	Vol +	Vol +	Vol +	Vol +	Vol +	Vol +
VOL -	Vol -	Vol -	Vol -	Vol -	Vol -	Vol -	Vol -
CH +	Ch +	Ch +	Ch +	Ch +, Power on	Ch +	Ch +	Ch +
CH -	Ch -	Ch -	Ch -	Ch -, Power on	Ch -	Ch -	Ch -
A	A				A	A	A
B	B	PPV	Buy	Buy	B	B	B
C	C				C	C	C
0, 1 - 9	0, 1 - 9	0, 1 - 9	0, 1 - 9	0, 1 - 9	0, 1 - 9	0, 1 - 9	0, 1 - 9
LAST	Last	Last	Last	Lch	Last	Last	Last
FAV	Fav	Fav	Fav	Rcl	Fav	Fav	Fav
REW	REW - Cable or Video	Back			REW - Cable or Video	REW - Cable or Video	REW - Cable or Video
PLAY	PLAY - Cable or Video				PLAY - Cable or Video	PLAY - Cable or Video	PLAY - Cable or Video
FF	FF - Cable or Video	Fwd			FF - Cable or Video	FF - Cable or Video	FF - Cable or Video
PAUSE	PAUSE - Cable or Video	Pause			PAUSE - Cable or Video	PAUSE - Cable or Video	PAUSE - Cable or Video
STOP	STOP - Cable or Video				STOP - Cable or Video	STOP - Cable or Video	STOP - Cable or Video
REC	REC - Cable or Video				REC - Cable or Video	REC - Cable or Video	REC - Cable or Video
BYPASS	Bypass	Bypass			Bypass	Bypass	Bypass
TV / VCR	TV / VCR (VCR)	TV / VCR (VCR)	TV / VCR (VCR)	TV / VCR (VCR)	TV / VCR (VCR)	TV / VCR (VCR)	TV / VCR (VCR)
VCR / VOD	VCR / VOD	VCR / VOD	VCR / VOD	VCR / VOD	VCR / VOD	VCR / VOD	VCR / VOD
Movies	Movies	Movies	Movies	Movies	#	CH Link	CH Link
Sports	Sports	Sports	Sports	Sports	Channel Memory	WEB	WorldGate
News	News	News	News	News	*	MALL	Channel Memory



Mfg	Motorola (General Instrument)			Pioneer				Philips
Model	DCT, CFT2200	CFT2200,2100	DL4, DP(V), DQ(V), DP(B)	Voyager	BC-4600, BA-5000, BA-6000	BA-9000	BA-V1000 BA-V2000	Digital
Setup Code	001	002	003	004	008	009	010	017
Device	CBL	CBL	CBL	CBL	CBL	CBL	CBL	CBL
ALL	All on	All on	All on	All on	All on	All on	All on	All on
CABLE	CBL on / off	CBL on / off	CBL on / off	CBL on / off	CBL on / off	CBL on / off	CBL on / off	CBL on / off
TV	TV on / off	TV on / off	TV on / off	TV on / off	TV on / off	TV on / off	TV on / off	TV on / off
VIDEO	Video on / off	Video on / off	Video on / off	Video on / off	Video on / off	Video on / off	Video on / off	Video on / off
AUDIO	Audio on / off	Audio on / off	Audio on / off	Audio on / off	Audio on / off	Audio on / off	Audio on / off	Audio on / off
GUIDE	Guide			Guide			Guide	Guide
INFO	Info	Display		Info	Clock		Info	Info
SETTINGS	Menu	Menu	Learn	Settings		Menu	Menu	Menu
^	^			^			^	^
v	v			v			v	v
SELECT	Select/OK	Sel	Sel (Event)	Select			Sel	OK
<	<			<			<	<
>	>			>	Cursor		>	>
PAGE ^	Page +		PC / PM	Page +			Page ^	Page +
PAGE v	Page -		TCP	Page -	Timer		Page v	Page -
MUTE	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute
EXIT	Exit	Del	Del	Exit	Clr		Exit	Exit
VOL +	Vol +	Vol +	Vol +	Vol +	Vol +	Vol +	Vol +	Vol +
VOL -	Vol -	Vol -	Vol -	Vol -	Vol -	Vol -	Vol -	Vol -
CH +	Ch +	Ch +	Ch +	Ch +	Ch +	Ch +	Ch +	Ch +
CH -	Ch -	Ch -	Ch -	Ch -	Ch -	Ch -	Ch -	Ch -
A	A	Enter	Enter	A	Str	Enter	Clear	A
B	B	F	F	B	Auth	Order	Order	B
C	C	Prog	Prog	C	#		Help	C
0, 1 - 9	0, 1 - 9	0, 1 - 9	0, 1 - 9	0, 1 - 9	0, 1 - 9	0, 1 - 9	0, 1 - 9	0, 1 - 9
LAST	Last	< Ch	< Ch	Last		Last Ch	Last	Last
FAV	Fav	Fav	Fav	Fav	Rcl	Fav Ch	Fav	Fav
REW	REW - Cable or Video						Prev	
PLAY	PLAY - Cable or Video						PC	
FF	FF - Cable or Video						Next	
PAUSE	PAUSE - Cable or Video							
STOP	STOP - Cable or Video							
REC	REC - Cable or Video							
BYPASS	Bypass	A / B	A / B	Bypass	C / R	A / B	A / B	P
TV / VCR	TV / VCR (VCR)	TV / VCR (VCR)	TV / VCR (VCR)	TV / VCR (VCR)	TV / VCR (VCR)	TV / VCR (VCR)	TV / VCR (VCR)	TV / VCR (VCR)
VCR / VOD	VCR / VOD	VCR / VOD	VCR / VOD	VCR / VOD	VCR / VOD	VCR / VOD	VCR / VOD	VCR / VOD
Movies	PPV/Lock	Movies	Movies	Movies	Movies	Movies	Movies	
Sports	*Help	Sports	Sports	Sports	Sports	Sports	Sports	PPV
News	Music/Enter	News	News	News	News	News	News	

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